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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/606,080

06/25/2003

Walid Khairy Mohamed Ahmed

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09/02/2008

TYCO TECHNOLOGY RESOURCES
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EXAMINER

AHN, SAM K

ART UNIT

PAPER NUMBER

2611

MAIL DATE

DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/606,080	Applicant(s) AHMED, WALID KHAIRY MOHAMED	
	Examiner SAM K. AHN	Art Unit 2611	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05/23/08.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 and 7-48 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-3, 10-15 and 21-24 is/are allowed.
- 6) ☒ Claim(s) 4, 7-9, 20, 26, 27, 34, 47 and 48 is/are rejected.
- 7) ☒ Claim(s) 16-19, 25, 28-33 and 35-46 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 October 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claims 4,7,8,16-20,25 and 28-48 are objected to because of the following informalities:

In claim 4, lines 1-2, “comprising the step... regulation of...” should be “comprising a step ... regulating of ...”.

In claim 7, line 1, “the step of” should be “a step of”.

In claim 8, line 3, define “LC”.

In claim 16, line 1, “comprising the step of...” should be “comprising a step of...”.

In claim 17, line 1, “comprising the step of...” should be “comprising a step of...”.

In claim 19, line 2, define “RF”.

In claim 20, line 6, “using a digital control” should be “using another digital control”.

In claim 25, line 1, define “RF”.

In claim 28, line 9, “using a digital” should be “using another digital”.

In claim 31, line 2, “said regulation” should be “said regulating”.

In claim 37, line 1, define “RF”.

In claim 42, line 13, “an digital” should be “another digital”.

In claim 46, line 1, define “RF”.

Claim 18, 29,30,32-36,38-41,43-45,47 and 48 depend on an objected claim.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 4,7-9,20,26,27,34,47 and 48 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 4, lines 1-2 recite “generating an output signal” while its independent claim 1 recites in line 9, “contribute power to an output signal”, hence it is unclear and indefinite for failing to particularly point out and distinctly claim the subject matter of whether claim 1, lines 1-2 is claiming another output signal or is claiming the same output signal recited in claim 1.

In claim 7, line 2, recite “generating an output signal” which again is rejected as explained above.

In claim 9, line 3, recite “current to an output signal” which again is rejected as explained above.

In claim 20, line 10, recite “to generate an output signal” which again is rejected as explained above.

Regarding claim 26, the claim recites “...said segment...” wherein its independent claim 21 recites having plurality of “segments” hence it is unclear and indefinite for failing to particularly point out and distinctly claim the subject matter of which among the plurality of segments the “segment” is referring to recited in claim 21.

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In claim 27, line 1, recites "...said segment..." which again is rejected as explained above.

In claim 34, line 2, recite "current to an output signal" which again is rejected as explained above.

In claim 47, line 1, recites "...said segment..." which again is rejected as explained above.

In claim 48, line 1, recites "...said segment..." which again is rejected as explained above. Claim 8 depends on claim 7.

Allowable Subject Matter

3. Claims 1-3,10-15 are 21-24 allowed.
4. Claims 4,7-9,16-20 and 25-48 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph and/or claim objections set forth in this Office action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Ahn whose telephone number is (571) 272-3044. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Sam K. Ahn/
Primary Examiner, Art Unit 2611

9/2/2008